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ILL Ref: 3731.9 1964 (144)
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The Absorption Coefficient of Atoms in the Reverse Zeeman Effect With Arbitrary Direction of Magnetic Field,
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Magnitnom Pole) tr. by D. L. Myers and others.
10 Aug 61, 11p. 5 refs. H-7279.
Order from DTIC \$0.50

61-31602

Trans. of [Izvestiya Vysshikh Uchebnykh Zavedenii,
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DESCRIPTORS: Magnetic fields, *Particles, *Motion,
*Plasma oscillations, Hydrodynamics, Electric fields.

The solution is presented of the problem concerning
movement of charged particles in a rotating magnetic
field. It is shown that the study of the movement of an
ionized gas in a rotating magnetic field, in a fre-
quency field which is lower than the Larmor frequency,
is possible in a hydrodynamic approximation. On the
(Physics--Theoretical, TT, v. 6, no. 12) (over)

61-31602

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DESCRIPTORS: *Calculus of variations, *Celestial
mechanics, Equations of motion, Differential equations,
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DESCRIPTION: Metallic compounds, *Borides,
Crystal structure, X-ray photography, Atomic radii,
Thermal expansion.

Results are given of x-ray determinations of the tem-
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(Chemistry--Inorganic, TT, v. 6, no. 1)

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